

December 1, 2009

Greg Strawn, Water & Sewer Superintendent City of Nashville 426 North Main Street Nashville, AR 71852

**RE: SSO Inspection** 

AFIN: 31-00036 NPDES Permit No.: AR0021776

Dear Mr. Strawn:

On November 19, 2009, I performed a Sanitary Sewer Overflow Inspection of the above referenced facility in accordance with the provisions of the Federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder. This inspection revealed that you are in compliance with the terms and conditions of your permit.

If I can be of any assistance, please contact me at 870 389-6970.

Sincerely,

Shan Synch

Shan Lynch District 12 Field Inspector Water Division

cc:	Water Division Enforcement Branch
	Water Division Permits Branch

≎	EPA								Form Approved OMB No. 2040-0003	
	NPDE									
		50	-	-			-			
	Transaction Code		NPDES	Section A: Nation	nai Dat	a sy	Yr/Mo/Day	Inc	pec. Type Inspector Fac. Type	
1	$\mathbf{N}  2  5  3  \mathbf{A}  \mathbf{R}$	18	pec. TypeInspectorFac. Type $V$ 19 $S$ 20 $1$							
					Remarks	s				
	Inspection Work Days	]	Facility Evaluation R	0	BI		QAQA	 I	Reserved	
	67 69		70 <b>N</b>	71	Ν	72	<b>N</b> 73 74 75		80	
				Section 1		lity ]				
	ne and Location of Facility Inspected and POTW name and NPDES permit			harging to POTV	V, also		Entry Time/Date 0900 / 11-19-2009		Permit Effective Date February 1, 2009	
	y of Nashville Wastewater Tre y 27, ~ ½ mile south of town	<u>atme</u>	<u>nt Plant</u>				Exit Time/Date 1116 / 11-19-2009		Permit Expiration Date January 31, 2014	
	ne(s) of On-Site Representative(s)/T n Harberson / Chief Operator / (8'			. ,	Water	& S	ewer Supt. / (870) 845-7400	Oth	ner Facility Data	
	McDaniel / Lab Technician / (870)	, 							Major mun.	
Nan	ne, Address of Responsible Official/	Title/	Phone and Fax Numb	ber			Contacted		SSO insp.	
	g Strawn / Water & Sewer Superi North Main Street	intend	lent / (870) 845-7400	)						
Nas	hville, AR 71852						Yes 🗹 No			
				tion C: Areas Ev			uring Inspection sfactory, N = Not Evaluated)			
Ν	Permit	Ν	Flow Measuremen				erations & Maintenance	Ν	Sampling	
Ν	Records/Reports	Ν	Self-Monitoring P	Program	Ν	Slu	dge Handling/Disposal	Ν	Pollution Prevention	
Ν	Facility Site Review	Ν	Compliance Schee	dules	Ν	Pre	treatment	Ν	N Multimedia	
Ν	Effluent/Receiving Waters	Ν	Laboratory		Ν	Sto	rm Water	S	Other: SSO	
		Se	ction D: Summary	of Findings/Com	nments	(Att	ach additional sheets if necessar	<b>y</b> )		
* N	to violations of the permit were for	und d	uring this SSO insp	ection.						
Nai	ne(s) and Signature(s) of Inspector(s	s)		Agency/Office/	/Telepho	one/	Fax		Date	
	n Lynch Shan Lynch	•		AR Dept. of E	nvironr	nen	tal Quality / Dist. 12 / (870) 389-	6970	December 1, 2009	
5118	n Lynun			. <u>.</u>				-		
Sig	nature of Reviewer			Agency/Office/Phone and Fax Numbers				Date		

COLLECTION SYSTEM INSPECTION AND OVERALL RATING							
PROVIDE A BRIEF DESCRIPTION OF THE COLLECTION SYSTEM: <u>The collection system is a network of piping</u> that receives domestic and industrial waste from the customers of Nashville. There are 16 lift stations							
throughout town.							
POPULATION SERVED/NUMBER OF RESIDENTIAL AND COMMERCIAL CONNECTIONS: Population 4664 with 353 commercial connections and 1526 residential connections.							
FEET OF SEWER SYSTEM: ~ 200,000 ft.							
AGE OF SYSTEM: 90 years							
DOES THE SYSTEM EXPERIENCE PROBLEMS DURING DRY OR WET WEATHER							
(EXPLAIN): I & I problems during wet weather conditions							
IS THERE A SYSTEM IN PLACE FOR REPORTING SSOS TO ADEQ (DESCRIBE): Initial							
24 hr. report submitted via internet and monthly reports submitted to the Department with DMR.							
ARE ALL SSOS REPORTED REGARDLESS OF SIZE:							
HAVE SSOs REACHED "WATERS OF THE U.S." (LIST DATE AND LOCATION OF EACH): * see attached SSO monthly reports from January 2008 to current.							
PUMP STATIONS       Øs □m □u □na □ne							
NUMBER WITH BACKUP POWER: main lift station has							
NUMBER OF PUMP STATIONS IN SYSTEM:     16     dedicated back up power; however, all are backup       power ready.							
HOW OFTEN ARE PUMP STATIONS INSPECTED/MONITORED: at least 3/wk; however, some daily							
ARE MAINTENANCE RECORDS AND/OR OPERATOR LOGS KEPT: <u>yes</u>							
ADEQUATE INVENTORY OF SPARE PARTS: <u>yes</u>							
TYPE OF REMOTE ELECTRONIC MONITORING USED (I.E. SCADA OR AUTO DIALERS): auto dialer at main lift station							
BRIEF SUMMARY OF EMERGENCY PROCEDURES: institute backup power procedures. Have pump available if							
necessary.							
NUMBER OF PUMP STATIONS VISITED DURING INSPECTION (SEE ATTACHED CHECKLISTS FOR EACH): <u>2</u>							
SATELLITE SYSTEMS Is Im Iu Ina							
DOES THE COLLECTION SYSTEM RECEIVE FLOW FROM SATELLITE SYSTEMS: <u>no</u>							
TYPE(S) OF WASTE WATER RECEIVED: DRESIDENTIAL COMMERCIAL DINDUSTRIAL OTHER:							
BRIEFLY DESCRIBE THE SATELLITE SYSTEM:							
ANY KNOWN PROBLEMS WITH SATELLITE SYSTEM:							
NAME, ADDRESS AND PHONE NUMBER OF PERSON RESPONSIBLE FOR SATELLITE SYSTEM:							

PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)						
GENERAL INFORMATION AND OVERALL EVAL	UATION	⊠S ⊡M ⊡U ⊡NA				
NAME AND/OR LOCATION OF PUMP STATION: Toland heights lift station						
TYPE(S) OF WASTE WATER RECEIVED: ZRESIDENTIAL		AL DOTHER:				
NUMBER OF PUMPS: 2	NUMBER OPERATIONAL: 2					
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:		ØS OM OU ONA ONE				
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS:		⊡Y ⊠N ⊡NA ⊡NE				
GENERAL OPERATION AND MAINTENANCE		⊠S ⊡M ⊡U ⊡NA				
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAG EQUIPMENT:	E OF UNRELATED					
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVE ACCESS AND/OR TAMPERING:						
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED PROTECTED:						
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIF INSTALLED AND MAINTAINED:	ØS OM OU ONA ONE					
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQU DRIVESHAFTS, ETC.):	<b>x</b>	OS OM OU ØNA ONE				
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CO GASES AND FUMES:	□S □M □U ØNA □NE					
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAIN	TENANCE:	ØS OM OU ONA ONE				
SEALS, VALVES AND PACKING ADEQUATELY MAINTAIN	ED TO PREVENT LEAKS:	□S □M □U □NA ØNE				
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN V	VET WELLS:	ØS OM OU ONA ONE				
BACKUP POWER AND ALARMS		ØS OM OU ONA				
PROVISIONS FOR GENERATOR AND/OR EMERGENCY T		ØS OM OU ONA ONE				
AUDIBLE/VISUAL ALARM WITH EMERGENCY CONTACT	ØS OM OU ONA ONE					
SCADA SYSTEM (LIST PARAMETERS MONITORED):		□Y □N ØNA □NE				

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PUMP STATION VISIT (COMPLETE A SEPARATE CHECKLIST FOR EACH PUMP STATION VISITED)						
GENERAL INFORMATION AND OVERALL EVAL	UATION	ØS OM OU ONA				
NAME AND/OR LOCATION OF PUMP STATION: Hospital	lift station					
TYPE(S) OF WASTE WATER RECEIVED: DRESIDENTIAL		AL OTHER:				
NUMBER OF PUMPS: 2	NUMBER OPERATIONAL: 2					
NUMBER AND SIZE OF PUMPS APPEARS ADEQUATE:		ØS OM OU ONA ONE				
EVIDENCE OF RECENT OVERFLOWS OR HIGH LEVELS:		DY ØN DNA DNE				
GENERAL OPERATION AND MAINTENANCE		ØS OM OU ONA				
CLEAN AND WELL MAINTAINED WITH MINIMAL STORAG EQUIPMENT:	E OF UNRELATED					
GATES/DOORS/HATCHES/LIDS/ETC. LOCKED TO PREVE ACCESS AND/OR TAMPERING:	ENT UNAUTHORIZED					
WET WELLS, SUMPS AND PITS ADEQUATELY COVERED PROTECTED:	, GRATED OR OTHERWISE					
ELECTRICAL CONTROLS COVERS CONDUIT AND EQUIF INSTALLED AND MAINTAINED:	MENT PROPERLY					
GUARDS AND SHIELDS IN PLACE AROUND MOVING EQU DRIVESHAFTS, ETC.):	UIPMENT (BELTS, PULLEYS,					
ADEQUATE VENTILATION TO PREVENT EXCESSIVE CO GASES AND FUMES:	NDENSATION AND/OR	OS OM OU ØNA ONE				
ADEQUATE LIGHTING FOR ROUTINE INSPECTION/MAIN	TENANCE:	ØS OM OU ONA ONE				
SEALS, VALVES AND PACKING ADEQUATELY MAINTAIN	ED TO PREVENT LEAKS:	□S □M □U □NA ØNE				
MINIMAL ACCUMULATION OF GREASE AND SOLIDS IN V	VET WELLS:	ØS OM OU ONA ONE				
BACKUP POWER AND ALARMS		ØS OM OU ONA				
PROVISIONS FOR GENERATOR AND/OR EMERGENCY T		ØS OM OU ONA ONE				
AUDIBLE/VISUAL ALARM WITH EMERGENCY CONTACT	INFORMATION POSTED: <u>no</u>	ØS OM OU ONA ONE				
SCADA SYSTEM (LIST PARAMETERS MONITORED):		□Y □N ØNA □NE				

Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
1/15/2007	1/16/2007		none	Sewer pond overflow	heavy rains, I/I	Mine Creek	
1/14/2007	1/15/2007		none	manhole overflow	heavy rain; I/I	Mine Creek	
1/14/2007	1/15/2007		none	manhole overflow	heavy rain; I/I	Mine Creek	
1/6/2005	1/6/2005	2000	none		grease	Dillard Creek to Mine Creek	
1/15/2007	1/16/2007		None	Sewer Pond Overflow	Heavy Rain - I & I	Mine Creek	
1/14/2007	1/15/2007		Minimal	Manhole Overflow	Heavy Rain - I and I	Mine Creek	426 N. Main
1/14/2007	1/15/2007		Minimal	Manhole overflow	Heavy Rain - I and I	Mine Creek	Isacc Perkins Under Bridge
1/14/2007	1/15/2007		Minimal	Manhole Surcharge	Heavy Rain - I and I	Mine Creek	Shepard and Main
1/14/2007	1/15/2007		minimal	Manhole Overflow	Heavy rains - I and I	Mine Creek	End of Kohler St.
3/1/2001 7:00:00 AM	3/3/2001	0	No	Overflow of Polishing Pond, runoff to Mine Creek	Rain and infiltration		
2/17/2001 8:00:00 AM	2/20/2001	0	No	Overflow - Polishing Pond at treatment plant	Hvy rainfall		
2/16/2001 9:30:00 AM	2/17/2001 12:00:00 PM	0	No	East end of Kohler Street (2 creeks meet there),	Infiltration/flooded creek		
2/16/2001 9:30:00 AM	2/17/2001 12:00:00 PM		No	Main & Hughes Circle (2 creeks come together)	Heavy rainfall		
3/4/2001	3/7/2001	0	No	MH overflow at 211 E. Shepherd, runoff to stream.	Infiltration		
3/12/2001	3/13/2001	0	No	211 East Shepherd, runoff to stream.	Infiltration		
11/10/2003	11/12/2003	1000	none	Grove Street	roots		
11/10/2003	11/10/2003	500	none	Leslie Street	unknown		
12/17/2001	12/18/2001	0	None	426 N. Main	Heavy rainfall (7" in < 5 days)		
12/17/2001	12/17/2001	0	None	426 N. Main	Grease		
3/20/2002	3/22/2002	0	unknown	East of	infiltrations by		

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Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
			aanago	washington and Isaac Perkins Blvd.	heavy rains		
3/14/2006	3/14/2006	5000	unknown	Gaines Street - #1-83	grease	ground	
1/27/2001	1/27/2001	0	None	Pope Street	MH Overflow due to grease plug.		
3/27/2005	3/27/2005	1200	unknown	Hempstead & Jones	vandalism and grease	ditch	
3/27/2005	3/27/2005	600	unknown	Jones & Gaines	Vandalism & grease	ditch	
3/27/2005	3/27/2005	600	unknown	7th Street - dead end	vandalism	ground	
2/5/2001	2/5/2001	0	No	Overflow (MH) - 8th Street	Grease		
3/16/2001	3/18/2001	0	None	Polishing Pond at Waste Water Treatment facility	Rain and infiltration		
12/13/2001	12/13/2001	1000	None	1000 Sunset, runoff to road ditch	Grease		
12/16/2005	12/16/2005	10000	unknown	Buck Range Road, manhole #5	Faulty air line	ground	
12/16/2005	12/16/2005	20000	unknown	Elm & Pecan Street	grease	Creek	
7/21/2005	7/21/2005	2000	unknown	7th Street	Grease		
6/20/2007	6/20/2007	1500	none	overflow	heavy rain in short period of time	Mine Creek	End of Kohler St.
6/20/2007	6/20/2007	2000	none	Overflow under Issac Perkins Bridge	heavy rain in short period of time	Mine Creek	
7/10/2007	7/10/2007		none	polishing pond is overflowing	heavy rainfall	Mine Creek	
1/3/2008	1/3/2008	500	None	sewer main stopped up	roots and grease	Mine Creek	
3/3/2008	3/3/2008	800	none	Sewer main stopped up and surcharged	Excessive Rain	Mine Creek	
3/19/2008				Polishing pond overflow	Rainfall		Nashville WWTP polishing pond
4/4/2008	4/4/2008	50000	None	Manhole overflow	Heavy Rain	Mine Creek	Pilgram at Washington St.
4/4/2008	4/4/2008	500	None	Manhole Overflowed	Heavy Rain	Dilliard Creek	Jones and Gains

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Date started	Date stopped	Volume	Environmental damage	Description	Cause	Stream	Location
4/1/2008	4/20/2009		None	Polishing pond overflowing	Heavy Rains	Mine Creek	
4/4/2008	4/4/2008	1000		Manhole Overflow	Heavy Rain	Mine Creek	Hughes Cir. And N. Main
4/4/2008	4/4/2008	50000	None	Manhole overflow	Heavy Rain	Mine Creek	Under Issac Perkins Bridge
4/4/2008	4/4/2008	50000	None	Manhole Overflowed	Heavy Rain	Mine Creek	behind Linvilles Supply
3/19/2008			None	The polishing pond overflowed	Heavy Rainfall	Mine Creek	
9/3/2008	9/3/2008		None	Excessive amounts of rain caused flooding at the above places.	Excessive amounts of rain	Mine Creek	Hwy. 27 and Issac Perkins (Under Bridge), Hempstead and Jones, Jones and Gaines, N Main and Hughes Circle
9/4/2008			None	Overflow of polishing pond at Waste Treat Plant- 743 Highway 27S- Nashville	Heavy Rains	Mine Creek	
8/19/2008	8/19/2008		None	Sewage spill from break in line	unknown	Mine Creek	119 Elm St.
9/4/2008	9/10/2008	5000	None	Posishing Pond Overflowed	Excessive Rain	Mine Creek	WWTP Polishing Pond
9/4/2008				Polishing Pond Overflow	7.68 in rain		Polishing Pond
9/14/2008	9/14/2008		None	Lift Station Overflowed	Loss of Power	Mine Creek	Elm Street Lift Station
9/15/2008	9/17/2008			Polishing Pone Overflowed			Nashville POTW
1/30/2009	1/30/2009		None	NA	Grease build up	Private pond	Lake Circle Dr.
2/24/2009	2/24/2009		NEAH	Manhole Overflowed	grease	Mine Creek	Intersection of Issac Perkins and N. Main
5/4/2009			None	Polishing Pond Overflowed	Heavy Rain	Mine Creek	WWTP
5/6/2009	5/6/2009		None	The manholes at these locations	Excessive amounts of rain	Mine Ck	

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ADEQ Water Ni DEO Inspection	A III. 31-00030	

Date	Date	Volume	Environmental	Description	Cause	Stream	Location
started	stopped	volume	damage	-	Cause	Stream	Location
				were either filled to capacity from excessive amounts of rain or were under water due to creek overflowing banks. Hughes Circles, Intersection of Hughes Circle and Main St., E. College, Kohler St., along the creek from Shepherd to Kohler			
5/12/2009	5/14/2009		NEAH	Manhole Overflow	Excessive Heavy Rain		N. Main and Hughes Circle
				Overflow at polishing pond	Excessive rainfall		Polishing Pond- nashville Wastewater treatment Plant
10/14/2009	10/16/2009	20000	NEAH	Manhole overflow	Excessive Rainfall	Mine Creek	Manhole underr bridge on Isacc Perkins
10/15/2009	10/16/2009	10000	NEAH	Manhole Overflow	I & I- Rainfall		East Shepard Street
10/15/2009	10/16/2009	15000	NEAH	Manhole Overflow	I & I Rainfall		Hughes Circle
9/17/2009	9/17/2009	500000	NEAH	1&1	Rainfall	Mine Creek	
10/27/2009	10/30/2009	30000		Manhole Overflow	Excessive rain	Mine Creek	End of Kohler Street
10/27/2009	10/29/2009	20000		Manhole Overflow	Excessive rainfall	Mine Creek	Issac Perkins Under the Bridge
10/27/2009	10/29/2009	20000		Manhole Overflow	Excessive Overflow	Mine Creek	Sheppard Street
10/1/2009		100000	NEAH	Polishing Pond Overflow	Heavy Rainfall	Mine Creek	Polishing pond

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